

Titles of most frequently occurring classifications of patents returned  
from a search of 10527864 on Mar 02 , 2007

- 20 348/E9.027 (0 OR, 20 XR)
  - Class 348 TELEVISION
  - 348/E9.001 .DETAILS OF COLOR TELEVISION SYSTEMS (EPO)
  - 348/E9.012 ..Picture reproducers (EPO)
  - 348/E9.025 ...Projection devices for color picture display (EPO)
  - 348/E9.027 ....Using light modulating optical valves (EPO)
  
- 15 353/20 (6 OR, 9 XR)
  - Class 353 OPTICS: IMAGE PROJECTORS
  - 353/20 .POLARIZER OR INTERFERENCE FILTER
  
- 10 353/31 (6 OR, 4 XR)
  - Class 353 OPTICS: IMAGE PROJECTORS
  - 353/30 .COMPOSITE PROJECTED IMAGE
  - 353/31 ..Multicolor picture
  
- 9 349/9 (2 OR, 7 XR)
  - Class 349 LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
  - 349/1 .LIQUID CRYSTAL SYSTEM
  - 349/5 ..Projector including liquid crystal cell (s)
  - 349/8 ...Plural light path projectors
  - 349/9 ....Having light separated into S and P polarization
  
- 7 349/5 (2 OR, 5 XR)
  - Class 349 LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
  - 349/1 .LIQUID CRYSTAL SYSTEM
  - 349/5 ..Projector including liquid crystal cell (s)
  
- 6 353/34 (0 OR, 6 XR)
  - Class 353 OPTICS: IMAGE PROJECTORS
  - 353/30 .COMPOSITE PROJECTED IMAGE
  - 353/34 ..Plural projection paths with single light source
  
- 6 359/495 (0 OR, 6 XR)
  - Class 359 OPTICAL: SYSTEMS AND ELEMENTS
  - 359/483 .POLARIZATION WITHOUT MODULATION
  - 359/485 ..Light polarization without any external input
  - 359/494 ...By birefringent element
  - 359/495 ....For beam deflection or splitting
  
- 6 348/E13.04 (0 OR, 6 XR)
  - Class 348 TELEVISION
  - 348/E13.001 .STEREOSCOPIC TELEVISION SYSTEMS; DETAILS THEREOF (EPO)
  - 348/E13.002 ..Systems where the three-dimensional effect is obtained by means of at least two 2D image signals from different viewpoint locations representing the interocular distance (EPO)
  - 348/E13.026 ...Stereoscopic image displaying (EPO)
  - 348/E13.036 ....For viewing by the user with the aid of special glasses or head mounted displays (HMD), i.e., stereoscopic displaying (EPO)
  - 348/E13.04 .....with temporal multiplexing, i.e., alternatively displaying left and right images separated in time and using glasses to alternatively block the right and left eye (EPO)
  
- 5 349/96 (0 OR, 5 XR)
  - Class 349 LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
  - 349/56 .PARTICULAR STRUCTURE
  - 349/84 ..Having significant detail of cell structure only
  - 349/96 ...Polarizer

- 5 359/487 (1 OR, 4 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/483 .POLARIZATION WITHOUT MODULATION  
 359/485 ..Light polarization without any external input  
 359/487 ...By reflection or refraction (e.g., Brewster angle)
- 5 348/E13.058 (0 OR, 5 XR)  
 Class 348 TELEVISION  
 348/E13.001 .STEREOSCOPIC TELEVISION SYSTEMS; DETAILS THEREOF (EPO)  
 348/E13.002 ..Systems where the three-dimensional effect is obtained by  
 means of at least two 2D image signals from different viewpoint locations  
 representing the interocular distance (EPO)  
 348/E13.026 ...Stereoscopic image displaying (EPO)  
 348/E13.058 ....Using an image projection screen (EPO)
- 4 359/464 (3 OR, 1 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/462 .STEREOSCOPIC  
 359/464 ..With right and left channel discriminator (e.g., polarized  
 or colored light)
- 3 359/483 (2 OR, 1 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/483 .POLARIZATION WITHOUT MODULATION
- 3 353/37 (0 OR, 3 XR)  
 Class 353 OPTICS: IMAGE PROJECTORS  
 353/30 .COMPOSITE PROJECTED IMAGE  
 353/37 ..Reflector between lamp and screen
- 3 359/1 (1 OR, 2 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/1 .HOLOGRAPHIC SYSTEM OR ELEMENT
- 3 359/15 (2 OR, 1 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/1 .HOLOGRAPHIC SYSTEM OR ELEMENT  
 359/15 ..Using a hologram as an optical element
- 3 359/485 (0 OR, 3 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/483 .POLARIZATION WITHOUT MODULATION  
 359/485 ..Light polarization without any external input
- 3 348/E13.059 (0 OR, 3 XR)  
 Class 348 TELEVISION  
 348/E13.001 .STEREOSCOPIC TELEVISION SYSTEMS; DETAILS THEREOF (EPO)  
 348/E13.002 ..Systems where the three-dimensional effect is obtained by  
 means of at least two 2D image signals from different viewpoint locations  
 representing the interocular distance (EPO)  
 348/E13.026 ...Stereoscopic image displaying (EPO)  
 348/E13.059 ....Synchronization or controlling aspects (EPO)
- 3 348/767 (1 OR, 2 XR)  
 Class 348 TELEVISION  
 348/739 .VIDEO DISPLAY  
 348/744 ..Projection device  
 348/759 ...Single light modulator  
 348/767 ....Using birefringent or polarizing medium (e.g., Kerr  
 cell, Pockel's cell, etc.)
- 3 348/56 (1 OR, 2 XR)  
 Class 348 TELEVISION

348/42 .STEREOSCOPIC  
 348/51 ..Stereoscopic display device  
 348/54 ...Single display with optical path division  
 348/55 ....Separation by time division  
 348/56 .....With alternating shutters

3 353/7 (1 OR, 2 XR)  
 Class 353 OPTICS: IMAGE PROJECTORS  
 353/7 .STEREOSCOPIC

3 348/E5.141 (0 OR, 3 XR)  
 Class 348 TELEVISION  
 348/E5.001 .DETAILS OF TELEVISION SYSTEMS (EPO)  
 348/E5.137 ..Projection arrangements for image reproduction, e.g.,  
 using eidophor (EPO)  
 348/E5.139 ...Involving the use of a spatial light modulator, e.g., a  
 light valve, controlled by a video signal (EPO)  
 348/E5.141 ....The modulator being an array of liquid crystal cells  
 (EPO)

2 349/115 (1 OR, 1 XR)  
 Class 349 LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS  
 349/56 .PARTICULAR STRUCTURE  
 349/84 ..Having significant detail of cell structure only  
 349/113 ...Reflector  
 349/115 ....Cholesteric reflector

2 359/488 (0 OR, 2 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/483 .POLARIZATION WITHOUT MODULATION  
 359/485 ..Light polarization without any external input  
 359/487 ...By reflection or refraction (e.g., Brewster angle)  
 359/488 ....With particular medium

2 349/61 (1 OR, 1 XR)  
 Class 349 LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS  
 349/56 .PARTICULAR STRUCTURE  
 349/61 ..Particular illumination

2 349/62 (0 OR, 2 XR)  
 Class 349 LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS  
 349/56 .PARTICULAR STRUCTURE  
 349/61 ..Particular illumination  
 349/62 ...With integral optical element for guiding or distributing  
 light from the light source

2 359/634 (0 OR, 2 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/618 .SINGLE CHANNEL SIMULTANEOUSLY TO OR FROM PLURAL CHANNELS  
 (E.G., LIGHT DIVIDING, COMBINING, OR PLURAL IMAGE FORMING, ETC.)  
 359/629 ..By partial reflection at beam splitting or combining  
 surface  
 359/634 ...Wavelength selective (e.g., dichroic mirror, etc.)

2 359/639 (0 OR, 2 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/618 .SINGLE CHANNEL SIMULTANEOUSLY TO OR FROM PLURAL CHANNELS  
 (E.G., LIGHT DIVIDING, COMBINING, OR PLURAL IMAGE FORMING, ETC.)  
 359/639 ..By refraction at beam splitting or combining surface

2 353/33 (1 OR, 1 XR)  
 Class 353 OPTICS: IMAGE PROJECTORS  
 353/30 .COMPOSITE PROJECTED IMAGE

353/31 ..Multicolor picture  
 353/33 ...Prism

2 348/E13.044 (0 OR, 2 XR)  
 Class 348 TELEVISION  
 348/E13.001 .STEREOSCOPIC TELEVISION SYSTEMS; DETAILS THEREOF (EPO)  
 348/E13.002 ..Systems where the three-dimensional effect is obtained by  
 means of at least two 2D image signals from different viewpoint locations  
 representing the interocular distance (EPO)  
 348/E13.026 ...Stereoscopic image displaying (EPO)  
 348/E13.044 ....For displaying monoscopic and stereoscopic images or  
 mixed monoscopic/stereoscopic images, e.g., monoscopic and stereoscopic image  
 displaying modes or a stereoscopic image overlay window in a monoscopic image  
 background (EPO)

2 348/E13.046 (0 OR, 2 XR)  
 Class 348 TELEVISION  
 348/E13.001 .STEREOSCOPIC TELEVISION SYSTEMS; DETAILS THEREOF (EPO)  
 348/E13.002 ..Systems where the three-dimensional effect is obtained by  
 means of at least two 2D image signals from different viewpoint locations  
 representing the interocular distance (EPO)  
 348/E13.026 ...Stereoscopic image displaying (EPO)  
 348/E13.045 ....Using observer tracking (EPO)  
 348/E13.046 .....For several observers (EPO)

2 348/E5.137 (0 OR, 2 XR)  
 Class 348 TELEVISION  
 348/E5.001 .DETAILS OF TELEVISION SYSTEMS (EPO)  
 348/E5.137 ..Projection arrangements for image reproduction, e.g.,  
 using eidophor (EPO)

2 348/E13.043 (0 OR, 2 XR)  
 Class 348 TELEVISION  
 348/E13.001 .STEREOSCOPIC TELEVISION SYSTEMS; DETAILS THEREOF (EPO)  
 348/E13.002 ..Systems where the three-dimensional effect is obtained by  
 means of at least two 2D image signals from different viewpoint locations  
 representing the interocular distance (EPO)  
 348/E13.026 ...Stereoscopic image displaying (EPO)  
 348/E13.043 ....For displaying simultaneously more than two geometrical  
 viewpoints, i.e., look-around effect without observer tracking (EPO)

2 359/497 (0 OR, 2 XR)  
 Class 359 OPTICAL: SYSTEMS AND ELEMENTS  
 359/483 .POLARIZATION WITHOUT MODULATION  
 359/485 ..Light polarization without any external input  
 359/494 ...By birefringent element  
 359/497 ....Using plural elements

2 349/201 (2 OR, 0 XR)  
 Class 349 LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS  
 349/193 .LIQUID CRYSTAL OPTICAL ELEMENT  
 349/201 ..Liquid crystal diffraction element

2 353/38 (2 OR, 0 XR)  
 Class 353 OPTICS: IMAGE PROJECTORS  
 353/38 .UNITARY PLURAL REFRACTING SURFACES

2 353/98 (0 OR, 2 XR)  
 Class 353 OPTICS: IMAGE PROJECTORS  
 353/98 .REFLECTOR

2 353/84 (0 OR, 2 XR)  
 Class 353 OPTICS: IMAGE PROJECTORS

353/84 .COLOR FILTER

2 349/95 (1 OR, 1 XR)

Class 349 LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS

349/56 .PARTICULAR STRUCTURE

349/84 ..Having significant detail of cell structure only

349/95 ...Microlenses

2 359/629 (1 OR, 1 XR)

Class 359 OPTICAL: SYSTEMS AND ELEMENTS

359/618 .SINGLE CHANNEL SIMULTANEOUSLY TO OR FROM PLURAL CHANNELS

(E.G., LIGHT DIVIDING, COMBINING, OR PLURAL IMAGE FORMING, ETC.)

359/629 ..By partial reflection at beam splitting or combining

surface

2 348/752 (1 OR, 1 XR)

Class 348 TELEVISION

348/739 .VIDEO DISPLAY

348/744 ..Projection device

348/750 ...Plural parallel light modulators

348/752 ....Using birefringent or polarizing medium (e.g., Kerr cell, Pockel's cell, etc.)

2 348/756 (0 OR, 2 XR)

Class 348 TELEVISION

348/739 .VIDEO DISPLAY

348/744 ..Projection device

348/750 ...Plural parallel light modulators

348/756 ....With optical element

2 359/253 (1 OR, 1 XR)

Class 359 OPTICAL: SYSTEMS AND ELEMENTS

359/237 .OPTICAL MODULATOR

359/238 ..Light wave temporal modulation (e.g., frequency, amplitude, etc.)

359/240 ...Changing bulk optical parameter

359/245 ....Electro-optic

359/246 .....Modulation of polarized light via modulating input signal

359/252 .....With particular medium or state of the medium

359/253 .....Liquid medium

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	((display adj panel) lcos dmd valve modulator) same smaller same (reflection adj area)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/02 09:35
L2	1	lcos with (interference adj filter)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/02 09:36
L3	18	lcos with filter with layer	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/02 09:36
L4	23	lcos with filter with (layer pattern sheet)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/02 09:36
L5	1	l4 and @ad<="20020920"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/02 09:37
L9	7568	"353".clas. and @ad<="20020920"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/02 09:43
L10	12	L9 and (prism with low with birefringence)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/02 09:49
L11	1	("20030007130").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/02 09:50
L12	3189	(353/31,30,33,37,20).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/02 10:43
L13	1612	12 and @ad<="20020920"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/02 10:48

## EAST Search History

L14	50	((("5184248") or ("5899551") or ("4969730") or ("5784181") or ("5402191") or ("5621547") or ("5635997") or ("5828471") or ("5889614") or ("5897191") or ("6341008") or ("6507379") or ("6561652") or ("7002619") or ("7072110") or ("7114809") or ("20040233276") or ("20040233527") or ("20050231654") or ("20060033883") or ("20070024945") or ("5626408") or ("4957361") or ("5629797") or ("6014197") or ("6102545") or ("6157420") or ("5633737") or ("5682212") or ("5748376") or ("5781267") or ("5798819") or ("5921650") or ("6027216") or ("6042234") or ("6074065") or ("4795911") or ("5294992") or ("5299289") or ("5335022") or ("5555186") or ("5738426") or ("5793470") or ("5978136") or ("6002458") or ("6024451") or ("6038054") or ("6078363") or ("6142634") or ("6227670")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/03/02 10:48
S1	1	10/527864	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/28 18:46
S2	1	("20010008470").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/28 17:20
S3	3	((("20010008470") or ("0895115")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/28 17:21
S4	0	"0859522"	EPO	OR	ON	2007/02/28 17:39
S5	1	("2001008470").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/28 17:40
S6	1	("2000275600").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/02/28 17:40

## EAST Search History

S7	780	wire adj grid adj polariz\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/28 18:47
S8	803	wire adj grid adj polariz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/28 18:47
S9	283	S8 and @ad<="20020920"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/02 10:44
S10	7568	"353".clas. and @ad<="20020920"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/02 09:36
S11	38	S10 and (recycl\$3 with (light beam))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/28 19:19
S12	107	S10 and (lcos (liquid adj crystal adj on adj silicon))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/28 19:54
S13	47	S10 and ((lcos (liquid adj crystal adj on adj silicon)) same polariz\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/28 19:54
S14	57	S10 and ((lcos (liquid adj crystal adj on adj silicon)) same polariz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/02/28 19:55